

# RAX/RCX TYPE A DUPLEX INTERCOM

**MODELS:**

**RA-A,  
RA-B,  
RA-D,  
RA-C,**

*Master, Open voice with handset*

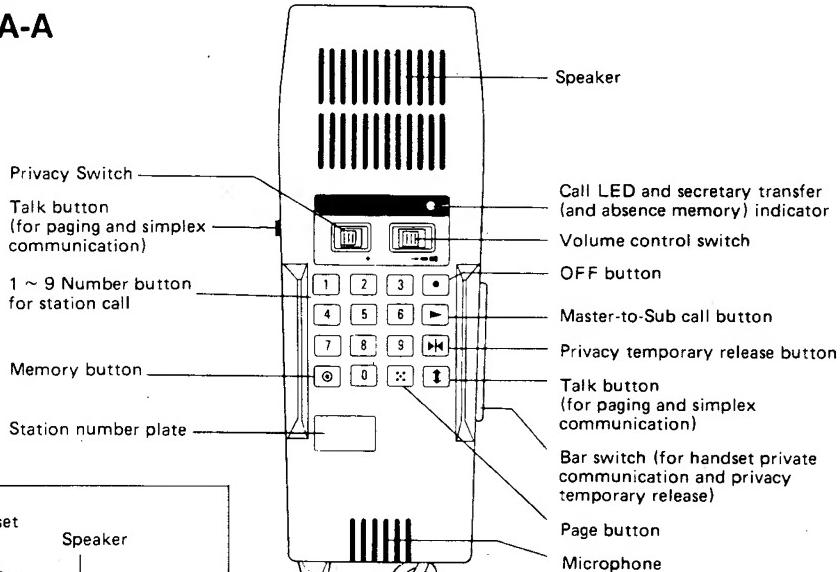
*Master, Open voice (Flush-mount)*

*Master, Speaker-phone type*

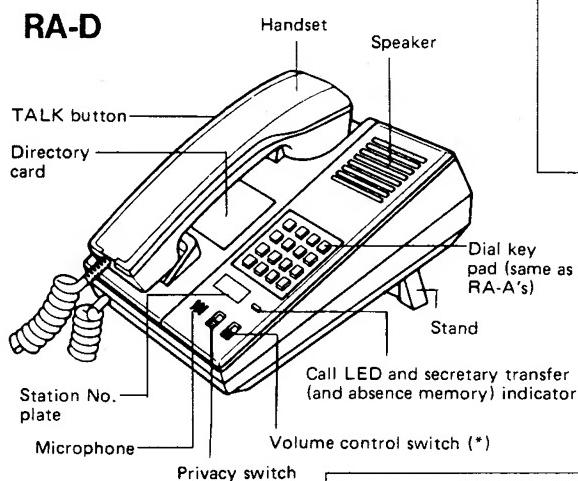
*Sub, Open voice (Flush-mount)*

## OPERATION INSTRUCTIONS

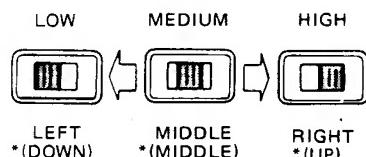
**RA-A**



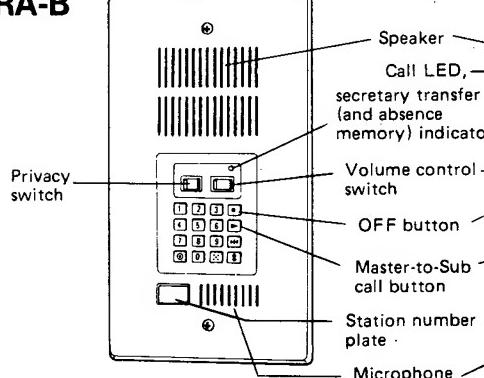
**RA-D**



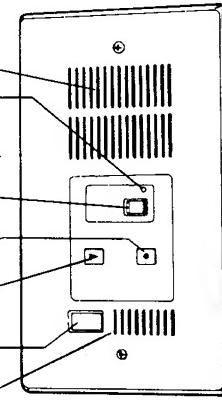
- The call tone & communication volume can be adjusted to three levels.



**RA-B**



**RA-C**



# 1 CALLING

OPERATION	MODE OF THE CALLED STATION	ACTION
Press digit buttons of desired station.  [1] [0] for station No.10 [1] [0] [0] for station No.100	(1) — Single call tone →  (2) ■■■ Busy tone →	Communicate.  Press [●] (OFF) button (or hang up handset in RA-D) to cancell call.
		OR
		OR
<b>Master/sub communication:</b> * At RA-C sub, simply press [▶] button to call master. * At master, press [▶] button (and, in RCX only, a digit button [1] ~ [9]) to call sub.	(3) ■■ Network busy tone (in RCX only) →  (4) — Privacy tone →  (5) - - - Absence tone (in RCX only) →	Press [0] button for urgent break in signal and (for RCX only) press [1] button to call by voice. Press [●] (OFF) button.  Wait for station to release from privacy mode.  Press [●] (OFF) button to cancell call.  Press [◎] button to leave a request for call back. <b>(Camp-on absence)</b>
		OR
		Press [●] (OFF) button or hang up handset in RA-D to end communication.

## RECEIVING

MODE OF YOUR STATION	CALLING TONE	ACTION
(1) Non-privacy mode	Single call tone →	Communicate handsfree.  OR At RA-A, pick up the unit and depress the bar switch for private communication.  OR At RA-D, pick up handset for private communication.
(2) Privacy mode	Privacy call tone →	Momentarily press [■] button and communicate handsfree.  OR At RA-A, pick up the unit and depress the bar switch for private communication.  OR At RA-D, pick up handset for private communication.
(3) Communicating with another station	Urgent message break-in signal and call (in RCX only) →	Press [◎] button to place present communication on hold, and reply.  ↓ Press [●] button to restore connection to station on hold.

**2 PRIVACY**

– To block out incoming calls and prevent monitoring;

\*Setting Privacy mode;

Slide PRIVACY Switch to the right position.

\*Releasing from Privacy mode;

Slide PRIVACY Switch to the left position.

Note: Setting and releasing from Privacy mode must be made while your station is in standby mode.

**3 CALL HOLDING**

– To place present communication on hold;

\*Press button.

\*Press button to restore connection to station on hold and resume conversation.

**4 CALL TRANSFER**

– To route incoming calls to another station;

(1) Press button.

(2) Press number of station where call is to be transferred.

(3) After communication line is established, press button.

(3) After communication line is established, press button.

Note: When you have no reply, press button and resume the initial communication.

**5 SECRETARY TRANSFER (STATION TRANSFER)**

– To have any incoming call to you answered by your secretary;

\*Setting Secretary Transfer mode; Press button and station number of your secretary.

\*Cancelling Secretary Transfer mode; Press and buttons.

**6 SIMPLEX COMMUNICATION**

– When communicating with a station located in a noisy area;

Press button to talk and release to listen.

**\*WHEN YOUR SYSTEM INCLUDES PAGING FUNCTIONS;****7 ALL PAGE**

– To page all zones in your system through paging speakers;

(1) Press , buttons.

(1) Press , buttons (and button, if call back is required).

(2) Make announcement while depressing and holding (\*) button.

(3) Wait for call back. OR If call back is not desired, press button.

**8 ZONE PAGE**

– To page one zone in your system through paging speakers;

(1) Press and zone number button ( ~ ).

(1) Press , zone number button ( ~ ) (and button, if call back is required).

(2) Make announcement while depressing and holding button.

If talkback is included, release (\*) button to listen.

(3) Wait for call back. OR If call back is not desired, press button.

**9 CALL BACK TO PAGING (ALL PAGE/ZONE PAGE)**

Press button at the nearest station.

Press and buttons at any station (in a zone paged).

(\*) In RA-A and RA-D, TALK button in handset works for (TALK) button on the dial key pad.

## 10 ALL CALL

– To page through all intercom stations;

- |  |   |
|--|---|
| (1) Press <b>5</b> button.   | (1) Press <b>[:]</b> and <b>0</b> button (and <b>[:]</b> button, if call back is required). |
| (2) Make announcement while depressing and holding <b>1</b> button. (*)        |   |
| (3) Wait for call back. OR If call back is not desired, press <b>•</b> button. |   |

## 11 CALL BACK TO ALL CALL

- |   |   |
|---|---|
| (1) Press <b>5</b> button at the nearest station. | (1) Press <b>5</b> and <b>[:]</b> buttons at the nearest station. |
|---|---|

## 12 GROUP CALL

– To page through a group of intercom stations;

- |  |  |
|--|--|
|  | (1) Press <b>[:]</b> and a group number button <b>5 ~ 8</b> (and <b>[:]</b> button, if call back is required). |
|  | (2) Make announcement while depressing and holding <b>1</b> button. (*)  |
|  | (3) Wait for call back. OR If call back is not desired, press <b>•</b> button.                                 |

## 13 CALL BACK TO GROUP CALL

- |  |  |
|--|--|
|  | (1) Press <b>5</b> and <b>[:]</b> buttons at any station of a group paged. |
|--|--|

\*WHEN YOUR SYSTEM INCLUDES DEVICES, SUCH AS INTERNAL/EXTERNAL LIGHTS, DOOR RELEASE ETC.

## 14 REMOTE OPERATION OF EXTERNAL DEVICES

- |   |
|---|
| (1) Press <b>[:]</b> button and zone number button ( <b>1</b> , <b>2</b> , <b>3</b> or <b>4</b> ).  |
| (2) Momentarily press <b>1</b> button. (*)<br>* If you hear intermittent tone, the external device is in ON mode.<br>* If you hear a continuous tone, the external device is in OFF mode. |
| (3) Depress <b>0</b> button to reverse ON/OFF mode of internal/external lights, etc. OR<br>Depress and hold <b>0</b> button to activate electric door release, etc.                       |
| (4) Press <b>•</b> button.  |

## 15 CONFERENCE CALL

– To initiate a conference call;

- |  |   |
|--|---|
|  | (1) Press number button of each station to be included and <b>[:]</b> button after each (up to 5 stations).<br>(2) Initiator depresses and holds down (*) <b>1</b> button and begins conversation.<br>(3) The called stations must depress and hold down <b>1</b> button (*) to respond.<br>(4) The called stations press <b>•</b> button to get out of the conference.<br>At conclusion of the conference, initiator must press <b>•</b> button. |
|--|---|

(\*) In RA-A and RA-D, TALK button in handset works for **1** (TALK) button on the dial key pad.

**16 ABSENCE MEMORY**

– To program your station to remember who called during your absence;

- (1) Press **[S]** and **[PK]** buttons.
- (2) Upon your return, red light flickering every other second indicates that you have calls in your station's memory bank.

**17 ABSENCE MEMORY CALL BACK**

– When you noticed fast flickering red light upon your return;

- (1) Press **[S]** button.
- (2) Press **[●]** button at completion of your conversation.
- (3) Repeat process until red light flickers more slowly and all calls have been answered.
- (4) Absence Memory Clear; Press **[S]** and **[0]** buttons to restore your station to normal operation.

**18 MEMORY CLEAR**

– To erase all memory functions except privacy (Camp-on busy, Camp-on absence, Absence memory & Secretary transfer)

Press **[S]** and **[0]** buttons and your station returns to normal operation.

## OPERATIONAL FLOW

NO.	FUNCTIONS	RAX	RCX
1	STATION CALL	[No.] [No.]	[No.] [No.] (and [No.] in RCX-88, -128)
	OFF	[●] or Hang up handset. (RA-D)	[●] or Hang up handset. (RA-D)
	CAMP-ON BUSY SET	[◎]	[◎]
	CAMP-ON BUSY CLEAR	[◎] [0]	[◎] [0]
	URGENT MESSAGE BREAK-IN SIGNAL (and CALL)	[0] (to signal only)	[0] (to signal) → [↑] (to call by voice)
	REPLY TO URGENT MESSAGE BREAK-IN	[◎]	[◎]
2	MASTER/SUB COMMUNICATION	[▶]	[▶] (Sub to master) [▶] [1 ~ 9] (Master to sub)
	PRIVACY	[■]	[■]
	NON-PRIVACY	[■]	[■]
3	TEMPORARY PRIVACY RELEASE	[◀]	[◀]
	CALL HOLDING	[◎] → [◎] or [●] (to return)	[◎] → [●] (to return)
4	CALL TRANSFER	[◎] [No.] [No.] [7]	[◎] [No.] [No.] ([No.]) [◎]
5	SECRETARY (STATION) TRANSFER SET	[◎] [No.] [No.]	[◎] [No.] [No.] ([No.])
	SECRETARY (STATION) TRANSFER CLEAR	[◎] [0]	[◎] [0]
6	SIMPLEX COMMUNICATION	[↑]	[↑]
7	ALL PAGE (WITH CALL BACK)	[::] [9] [↑]	[::] [9] ([::]) [↑]
8	ZONE PAGE (WITH CALL BACK)	[::] [1 ~ 4] [↑]	[::] [1 ~ 4] ([::]) [↑]
9	CALL BACK TO PAGING	[6]	[6] [::]
10	ALL CALL (WITH CALL BACK)	[5] [↑]	[::] [0] ([::]) [↑]
11	CALL BACK TO ALL CALL	[5]	[5] [::]
12	GROUP CALL (WITH CALL BACK)		[::] [5 ~ 8] ([::]) [↑]
13	CALL BACK TO GROUP CALL		[5] [::]
14	REMOTE OPERATION	[::] [1 ~ 4] [↑] [0]	[::] [1 ~ 4] [↑] [0]
15	CONFERENCE CALL		<sup>(1)</sup> [No.] [No.] [::] ... <sup>(5)</sup> [No.] [No.] [::] [↑]
16	ABSENCE MEMORY SET		[◎] [◀]
17	ABSENCE MEMORY CALL BACK		[◎]
	ABSENCE MEMORY CLEAR		[◎] [0]
18	CLEAR MEMORY	[◎] [0]	[◎] [0]

# RCX SYSTEM OPTIONS

## 1 DOOR STATIONS

— To receive a call from up to two door stations at either of up to five programmed master stations;

- (1) A call from door station is announced at all programmed master stations by electronic chime.
  - \* If the chime is 4 strokes, the call is from the first door station.  
Press **5** ► buttons.
  - \* If the chime is 2 strokes, the call is from the second door station.  
Press **6** ► buttons.
- (2) Talk handsfree. In RA-A, Pick up the unit and hold the bar switch and, in RA-D, pick up handset for private handset communication. When the door station is situated in a noisy area, you may press **T** (TALK) button to talk and release to listen.
- (3) If your system includes a door release, momentarily press **0** button during communication, which activates the timer circuits for opening the door.
- (4) Press **•** (OFF) button or hang up handset in RA-D to end communication with door station.

## 2 ADDITIONAL PAGING/REMOTE CONTROL

To select any YAW adaptor, press **7** ► buttons.

- (1) When continuous mono tone is heard;

### Paging with YAW-R or YAW-RA;

Press **[:]** button and an adaptor number button (0 ~ 9) (and a zone number button in YAW-RA 1 ~ 8). Make announcement depressing **T** button (and release to listen, if talkback is included). Press **•** button at end of announcement.

#### NOTE:

After selecting an adaptor number for YAW-RA, press zone number buttons (1 ~ 8) in succession for multiple zone page or **◎** button for all page (to 8 zones simultaneously).

### Remote operation of controlling ON/OFF of lights or door release, etc.;

Press **[:]** button and an adaptor number button (0 ~ 9) for YAW-S.

- \* When an intermittent tone is heard, the lighting function is in ON mode.
- \* When a continuous tone is heard, the lighting function is in OFF mode.

Alternate operation: Momentarily press **◎** button to turn on lights. OR  
Momentarily press **[:]** button to turn off lights.

Momentary operation: Press and hold **◎** button down to activate door release, etc.  
Press **•** button.

- (2) When intermittent tone is heard;

It means other station is operating paging or remote control and the channel is occupied. Press **•** button to disconnect and call later.

#### NOTES:

1. It is not possible to operate two or more adaptors at the same time.
2. Paging/remote control operations can be made by master stations RA-A, RA-B and RA-D.

## **DIRECTORY**

## SYSTEM

Aiphone Co., Ltd., Nagoya, Japan  
Aiphone Corporation, Bellevue, Washington

RA-A-OM (E) 1090F

